

## **ABSTRACT OF THE DISCLOSURE**

This invention relates to an embedding structure of parallel-program created by software and a call of parallel-program. The parallel-program relates to the "sequence-net" in the prior art in the view of programs and includes  $N+1$  parallel-program branch program modules and (data) token structure. Based on a single machine environment of this invention, parallel-program is transformed into a type of structure of parallel-program branch program run in time division mode. Three subroutines for reading data, writing data, and making the consistency for data in the branch programs realize the processing of suspension and ready status of parallel-program branch programs. The running of branch programs is managed by time-division-managing module. An execution process of parallel-program data sequence supports the parallel operations and the embedding of parallel-program modules. The parallel-program structure simplifies the modular structure of time division and produces the resources of  $N+1$ th branch program.